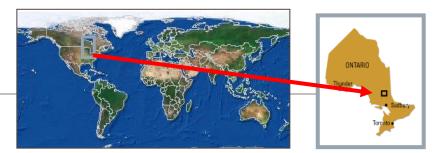
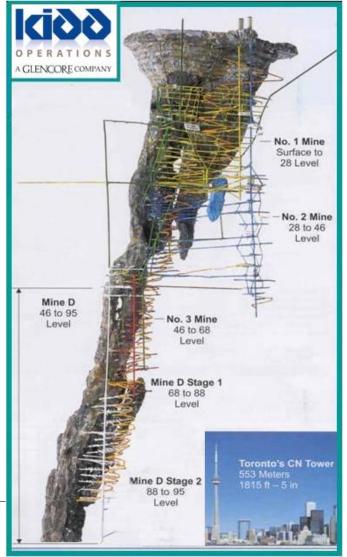


Kidd Operations

- Underground base metal mine Cu, Zn, Ag
- 150 Mt mined
- Mining Rate 2.3 Mt/Y
 - 1966 Began as an open pit
 - 1972 No. 1 Shaft sunk to 930m [3050ft]
 - 1972 Kidd Zinc Plant commissioned
 - 1979 No. 2 Shaft sunk to 1556m [5105ft]
 - 1981 Copper operations began production
 - 1990 No. 3 Shaft Sunk to 2108m [6916ft]
 - 2000 Mine D approved by Board
 - 2006 No. 4 shaft complete to 3000m [9882ft]
 - 2010 Copper smelter and zinc plant closed
 - 2012 Mining reaches 9500L [2896m]
 - 2014 Attained 150 M tonnes milled milestone.



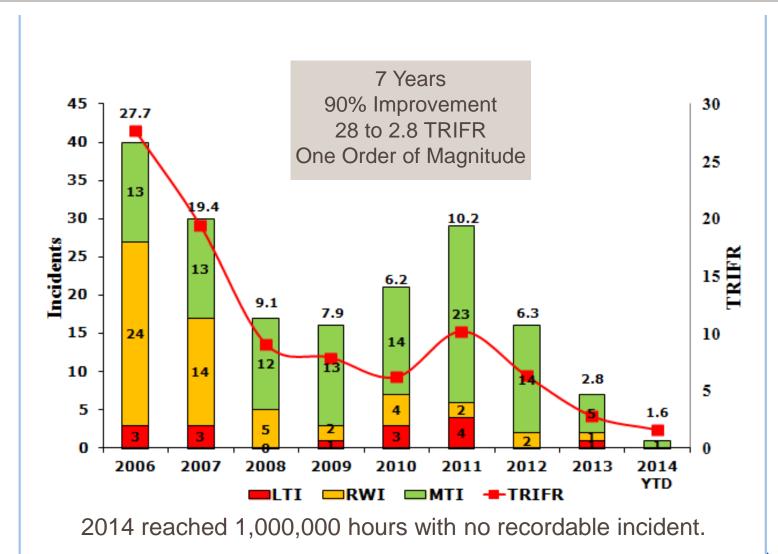


Kidd Operations Road to Zero Harm

- Why we needed to improve
- Leadership
- Accountability
- Involvement
- Knowledge
- Design (Mistake Proofing)
- Behaviour



Kidd Operations Safety Performance



Effective Safety Program – Improvement Plan

Existing Program Analysis

- Reviewed each program element and the requirements
- Ranked for effectiveness and quality
- Developed a three year improvement strategy
- Progress of the plan reviewed monthly by management team

Proper Safety Culture - proactive

Proper Incident Management - reactive

Proper Workplace - proactive

Exhibit the Right Behaviors - proactive

Drive the Right Behaviors - proactive

Proper Equipment and Tools - proactive

Improvements occurred when we changed focus from reactive to proactive





Leadership

Leadership - CEO Expectations

- Set and drove high expectations to the operations
- Commitment and visible leadership for all safety concerns:

COO and GM and focused on attaining aggressive improvement targets

Direct reporting every quarter of Safety performance

Review all reportable incidents directly with site GM

Detailed basic causes and preventative actions with Safety professionals(corporate involvement).

"Where did management fail"
"What were the systemic failures"





Leadership – Operational Management Commitment

 Management commitment provides the motivating force and resources for organizing and controlling activities within an organization

All workers having safety components within the Job Description Action Plan (JDAP)
Site wide safety pauses – Commitment to improve safety
Management safety tours and infield visibility

- Management actively analyzes the work and the worksite to anticipate, recognize and prevent harmful occurrences
- Management monitors the safety and health responsibilities of all personnel, whether salaried or hourly
- Management communicates and uses consistent messaging

Quarterly Meeting with all workers – Safety status and current business update Standardising all crew meetings with managers message



Leadership - Managers in Field





Demonstrating Leadership







Accountability

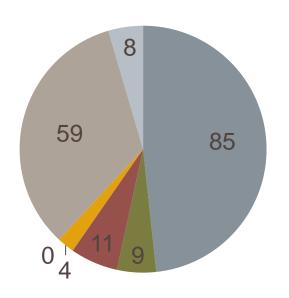
It's our mission to maximize the value of the Kidd ore body and extend its operational life through safe and cost efficient deep mining and milling. We are passionately committed to creating opportunities for our people to develop and use their knowledge, skills and talent. We are proud of our vital role in the community and we work in open partnerships to create enduring value with Definition of Purpose stakeholders. Strategic Objectives Improve our Create a Zero Enhance our business by Harm Extend mine reputation for developing and workplace life by social **Establish** involving that delivers continuously responsibility mining plans people improved improving our that deliver and by within our health and processes, fostering reliable community safety and cost structure relationships production and with other minimizes the and revenuewith our results. key impact on the generating business stakeholders natural capabilities partners environment Individual Job Departmental Strategic Plan **Description Action Activities** Plans (JDAP's)

Management Accountability – Job Task Observations

Group	Completed	Target	Compliance
Operations	851	931	91%
Services	162	185	88%
Mine Operations	279	317	88%
Maintenance and			
Logistics	321	341	94%
Concentrator	89	88	101%

Job Task Observations Compliance
Targeting the Risk Register –
High Hazard Activities

JTO - Targeting HHA



- Mobile equipment interaction
- Working at heights
- Storage and use of explosives
- Working in confined spaces
- Working with high pressure water jet and industrial vacuum equipment
- Working with energy sources
- Occupational exposures to hazardous agents



Organizational Accountability

Measurement against Standards

- Leadership, Strategy and Accountability
- 2 Planning and Resources
- 3 Behaviour, Awareness and Competency
- 4 Communication and Engagement
- 5 Risk and Change Management
- 6 Catastrophic Hazards
- 7 Legal Compliance and Document Control
- 8 Operational Integrity
- 9 Health and Occupational Hygiene



- 10 Environment, Biodiversity and Landscape Functions
- 11 Contractors, Suppliers and Partners
- 12 Social and Community Engagement
- 13 Life Cycle Management Projects and Operations
- 14 Product Stewardship
- 15 Incident Management
- 16 Monitoring and Review
- 17 Emergencies, Crises and Business Continuity



Accountability - Metrics At All Levels

Workers, crews, superintendents and managers all have visible metrics.

Group	<u>JT0</u>	<u>JSO</u>	Close Calls	<u>Injury</u>	Incident	MOL	Leading	Lagging	<u>SCORE</u>					
Operations	90%	<u>78%</u>	14%	86%	<u>77%</u>	100%	62%	88%	<u>73%</u>					
Services	88%	102%	15%	81%	78%	100%	68%	87%	77%					
	140%	207%	29%	100%	69%		125%	84%	109%					
	210%	227%	14%	100%	100%		151%	100%	130%					
			0%	100%	69%		0%	84%	56%					
	70%	173%	129%				124%		124%					
	94%		29%	75% 100%			61%	88%	74%					
	94%	115%	43%	50%	% 100%		84%		81%					
	90%	0%	0%	100%	100%		30%	100%	58%					
	0%		15%	100%	100%		8%	100%	54%					
	0%	182%	30%	100%	100%		71%	100%	82%					
		18%	0%	100%	100%		9%	100%	55%					
	57%		44%	100%	75%		51%	88%	69%					
	100%	27%	50%				59%		59%					
	30%	82%	200%				104%		104%					
	40%	145%	0%									62%		62%
		36%	11%	50%	82%	100%	24%	77%	56%					
Mine Operations	83%	77%	6%	85%	84%	100%	58%	90%	71%					
	86%	73%	5%	93%	85%	100%	53%	93%	70%					
	0%	25%	100%	100%	100%		42%	100%	65%					
	0%	10%	0%				3%		3%					

	Year to Date, 2013									
~ ~ ^t		Lo	st Day	/S						
AD Flash Report	Total Hours	LTI	RWI	МТІ	LTI Days	RWI Days	Total Lost Days	TRIFR <3.2	LTIFR 0.0	DISR <67
Kidd Operations	2,442,437.0	1	1	5	77	220	297	2.9	0.4	121.6
Gary Morin	1,029,782.0	0	0	2	0	0	0	1.9	0.0	0.0
Shannon Campbell	863,193.0	1	0	3	77	132	209	4.6	1.2	242.1
Dave Scott	549,462.0	0	1	0	0	88	88	1.8	0.0	160.2



Involvement

Involvement – Safety Teams

Operational Safety Team (OST)

- Created to identify gaps between safety strategy with the intent of improving deficiencies
- Provides feedback from the management team on upcoming initiatives and programs
- Reviews effectiveness and allows for modification of approaches to our safety program and safety culture, with a focus on improving safety results

Additional safety initiatives and programs:

- Committees with representation from both the workforce and management: JOHSC, OST, MSD, Dust, PPE, Noise, PASS Masters, Safe Start, etc...
- Involve key stakeholders in safety decisions and communications (e.g. large contractor groups)
- Conduct employee engagement surveys, to develop strategies
- Communications such as Copper Wire and TV, FYI, Hazard Alerts, Do You Know, etc...
- Safety Promotions



Involvement – Celebrating Safety Success



GENERAL MANAGER'S MESSAGE

Happy New Year to all.

I hope that everyone was able to enjoy the festivities with family and friends.

I would like to acknowledge the fantastic safety performance that we are seeing as we finished off 2013 and enter 2014. We have surpassed our TRIFR improvement target of 3.2, ending with a result of 2.9. But, most importantly, this represents a drop in recordable injuries from 16 people in 2012 to seven people in 2013. We have all come to appreciate that having seven people hurt at work to the point of having to see a doctor remains seven people too many and that is why we will continue to set aggressive improvement targets for ourselves. Our 2014 target will be established and communicated over the next few weeks. One thing that we know right now though is that most crews will continue to have zero recordables as their targets and in fact, the entire Met Site has already committed to a target of Zem for 2014!

I'm convinced that a key to our success is the SafeStart program and no doubt the Extended Module training that was recently completed is helping each of us to be more aware of our State of Mind and providing concrete strategies to help improve habits, both at work and at home.

On behalf of the entire management team, I extend best wishes for a healthy and prosperous 2014!

Tom Semaden

Rick Carrier

Congratulations to Mine Graw 321 under Supervisor Rick Charlebols and Jeff Tull for having achieved a of 4 zeros for one year.



hoto, front row left to right: Butler, David Blanchard, Andy Saindon, B. Boyce, Eric Bergeron, Jeff Tul

In This Edition





- Safety Performance
 Weekly Flash Report
 January Safety Themes



- Human Resources Announce
- Mayor's Holiday Coffee Connection







- Recreation Committee Tubing Recreation Committee Porcupine Ski P
- Our Strategic Objectives Job Postings

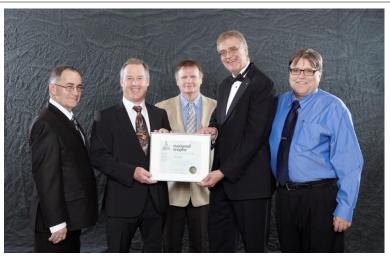
Feedback & Content

nents, or suggestions to Carole Belanger, munications and Community Relations Inator at carnie belanger/floiencore-ca com

Copper Wire Submission

for publishing in the following week's Copper Wire.

Kidd Operations - Glencore Canada Corporation P.O. Bag 2002 Stn. Main, Timmins, ON, Canada, P4N 7K1



Winners Workplace Safety North (WSN) - Presidents Award







Increased Knowledge

Knowledge - Risk Management Program

- Risk Assessments and Risk Control Audits performed inhouse. When required, subject matter experts brought in to assist our auditor.
- Risk Management integrated with Incident/Accident Management...
 - Each month, incidents/accident are aligned with our risks, and the risk's CLR (Current Level of Risk) is adjusted accordingly
- Risk Management integrated with our Capital Management Program
 - Critical equipment/processes are treated as separate risks
 - If the risk is not at ALARP, projects are initiated to reduce the risk
 - The Stage Gate Process is used to execute the project as a large "risk treatment"
 - Project Management Manual includes Stage Gate



Kidd Operations' Site Risk Register



August 2011

CATASTROPHIC HAZARD (CH

A Catastrophic Hazard is an activity, condition or material (i.e., glass) with the potential to result in disastrous consequences.

- · Uncontrolled Ground Movement
- Exposure to Mine Gases
- · Incidents During Mass Transportation of Workers
- · Potential Fire on Surface or Underground
- · Loss of Containment of Water Treatment and Tailings Ponds

HIGH HAZARD ACTIVITY (HHA)

A High Hazard Activity is an activity that exposes a person to a hazard with the potential for causing a single fatality and/or permanent disabling to more than one person.

- · Mobile Equipment Interaction with People, Objects and Energy Sources
- Working at Height
- · Transporting, Handling, Storage and Using Explosives
- · Working in Confined Spaces
- · Working with High Pressure Water Jet and Industrial Vacuum Equipment

SIGNIFICANT RISK (SR)

A Significant Risk has an increased likelihood of causing a negative impact to the organization.

- · Maintainability / Reliability of Critical Processes and Equipment
- Safeguarding of Machinery and Equipment
- Contractor Management and Engagement
- Uncontrolled Run of Muck and Excess Water Underground
- Employee Management and Engagement
- · Emissions / Discharges Loss of Environmental Control or Containment
- Uncontrolled Release of Energy
- Occupational Exposures to Hazardous Materials
- Failure of Lifting / Hoisting Devices

19 Significant Risks



Knowledge - Catastrophic Hazards

Exposure to Mine Gases



Uncontrolled Ground Movement



Incidents During Mass Transportation of Workers



Potential Fire on Surface or Underground



Loss of Containment of Water Treatment and Tailings Ponds



Knowledge – Training and Change Management

- Formal induction for all workers and visitors
- Professional development training day for all workers
- Individual knowledge institutionalize by documentation and training



Formal Risk Assessment



Recognize, Assess and Control Hazards



Knowledge - Legal Compliance



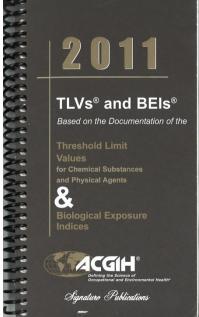


















Design (Mistake Proofing)

Risk Control Protocols

Topic	% Conformand e	00% 90%			_	_								_		1	_	_
Confined Space	84%	80%			1	1	1	1	1					-		╫	╫	_
Vehicles & Driving	76%	70%			1												1	_
High Pressure Waterjet & Industrial Vacuum	93%	60% 50%		1	1	1		1	1	1	ī	1		1				_
High Voltage Equipment	88%	40%	+		-11-	-		-	-	+		-				-		_
Permit Systems	100%	30%						-	-		-			-		-	-	_
Working At Heights	100%	20%	+	-		-	-	-	-	-	-	-		-		-	-	_
Emergency Planning	100%	10%		-		-	-	-	-	+	-			-		-	-	_
Change Management	85%	0%			- <u>-</u>		(0)	"			(0)		_	(0)				_
Combustion Fuel Systems	58%		Confined Space	Driving	ctria	nen	Permit Systems	Working At Heights	Emergency Planning	men	tems	Hot Work	Molten Material	Near Miss	ctior	Lifting Devices	Energy Control	
Hot Work	80%		ls pa	& Dr	npu	quipr	Syst	t He	Plan	ageı	Syst	√ Jot	Mai	lear	Jete	De	°C >	
Molten Material	N/A		nfine	les 6	بر _	e E	rmit	B	ncy	Man	en-	_	olten	Z	ial	fting	ierg)	
Near Miss	89%		CO	/ehicles	terje	oltag	Pe	orkir	erge	l agu	on F		Ĭ		lateı	Ξ		
Radioactive Material Detection	N/A			>	Pressure Waterjet & Inductrial	High Voltage Equipment		Š	Emé	Change Management	Combustion Fuel Systems				Radioactive Material Detection		Hazadous	
Lifting Devices	100%				sure	Hig				0	omk				acti		Haze	
Hazadous Energy Control	87%				res						O				adic		_	
Overall Safety CP Conformance Score	87%				High F										œ			



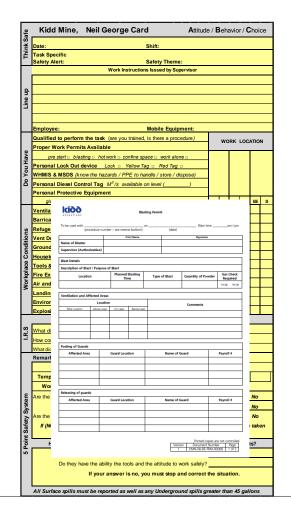
Life Cycle Management – Projects and Operations

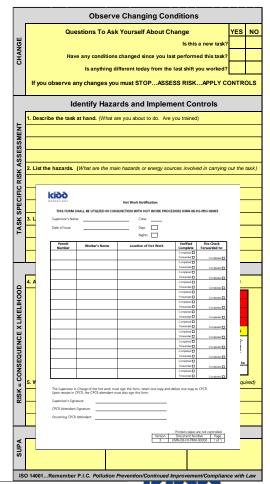


Work Permits and Checklists

- Work Instructions and permission to work (Neil George Card)
- Prestart Checks
- Confined Space Permits
- Hot Work Permits
- Blasting Permits
- Digging Permit
- Safe Work permit

Process driven permits







Assurance - Auditing

2013 Risk Control Audits (Planned and Completed)

					Internal/External Resources	Internal	Resources
Start Date	Туре	Audit	Management Representative	Expected Duration (bus days)	Lead Auditor	Internal Auditor	Auditee /Other
12-Mar-13	Internal	Risk Control Audit - Working at Height	Ed Pieterse	4	Jim Francis	0	5
16-Jul-13	Internal	Risk Control Audit - Working in Confined Spaces	Ed Pieterse	1	Jim Francis	1	6
10-Sep-13	Internal	Risk Control Audit - Potential Fire on Surface or Underground	Ed Pieterse	4	Jim Francis	N/A	5

2014 Risk Control Audits (Planned)

Audit	Client	Management Rep	Auditor
Mobile Equipment - Interaction With People, Objects and Energy Sources	Kidd	Risk Owner = Gary Morin	Internal
Working with Energy sources (includes Workplace Electrical Safety Program)	Kidd	Risk Owner = Ed Pieterse	Internal
Uncontrolled Ground Movement (Strata/Slope Failure)	Kidd	Risk Owner = Zach Mayer	External
Working With High Pressure Waterjet (>5,000psi) and Industrial Vacuum Equipment (>27 inches of Hg or >1,000 cfm)	Kidd	Risk Owner = Dave Scott	Internal
Exposure to Mine Gases	Kidd	Risk Owner = Shannon Campbell	Internal
Uncontrolled Run of Muck	Kidd	Risk Owner = Shannon Campbell	Internal
Contractor Management & Engagement	Kidd	Risk Owner = Rick Peters	Internal
Employee Management and Engagement	Kidd	Risk Owner = Luc Brousseau	Internal
Labour Disruption	Kidd	Risk Owner = Luc Brousseau	Internal





Behaviour Focused

Behavior – People Need Help



Weak link with these controls human behaviour



Failed Controls



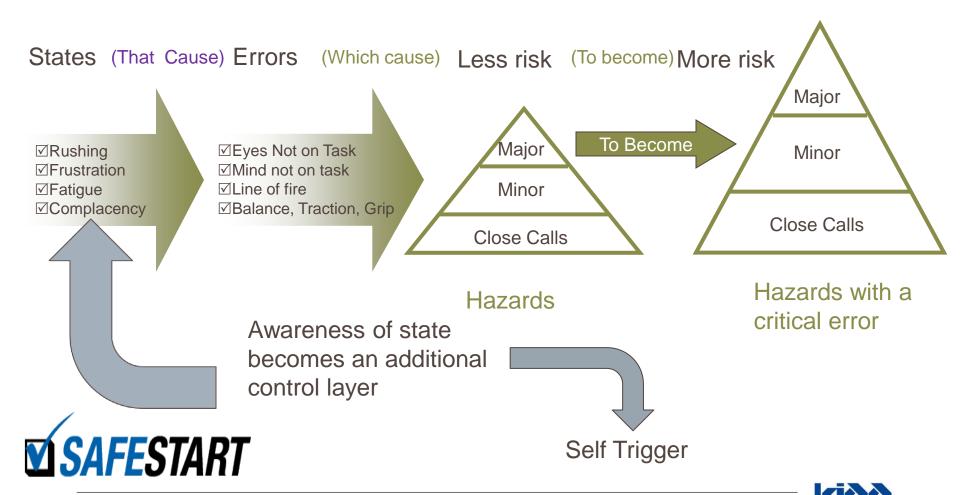
Exposure to Harm

At Risk Behaviours

- Conscious or intentional behavior
- Habitual behavior
- Unintentional behavior



Behavior – SafeStart



A GLENCORE COMPANY

Behavior – Infield Observations



Job Spot Observations
Close Calls
Job Task Observations

Idiaa

201320146,3586,7941,2512,6229299648,53810,380

OPERATIONS	Planne	d Job Task Ot	servation F	orm	
Date:	Planned Job	Task O	bserva	tion Report	
Name	PR #	Dept #	Crew #	Occupation	
Time with Company	Time on Present Job	Notifical	tion	1	
Type of Observation	Classify Job to be Obser		Advance	YES NO	
Intial Followup		Significant Rit	_	tastrophic Hazard	
List SOP or Reference D					
Job Observation					
Box 1 Did the gractices you observed of applicable 80P or 8kills Training job?	comply with the Yes / I	No Didthe Jo	b Task Olsser	vation initiates charge in the SOP?	Yes / No
Box 2	Yes /	No Box 6		iegative feedback?	Positive
Were Hazards Identified and con	tros put in plaze?	was trere	Positive or IV	agaile e reasonaix :	Negative
Box 3	Reinford	Box 6 ed			
Was behaviour Reinforced or Cl	nanged? Change	Were app	orunties tri	improvement blertified?	Yes / No
Describe clearly below any pr	actices or conditions related	to the Items al	oove that de	serve compliment or correction.	
Describe any opportunities to	r Improvement identified abou	re.			
Follow-up Action					
Supervisor/Observer				Super Intendent Signature	
PRINT	SGN				
I have reviewed the above for	m.	Date:			
Worker Signature					
			- I benton		are not controlled
			Version	Document Number KMN-03-H5-FRM-00076	Fage 1 of 2



Conclusions

Identify gaps in your current program versus the ideal program

Understand what you need to measure against to close gaps.

Develop a plan to work on closing the gaps with a focus on

- accountability, at all levels CEO, management and workers
- proactive measures and monitor
- root cause analysis on "near miss" events, learn from these events
- training and culture where individuals are empowered
- risks and hazards ensuring controls are effective
- monitor and adjust as you improve



